

AUG 19 2002

FORM PTO-1449/As and B (Modified)				APPLICATION NO.: 10/090,381	ATTY. DOCKET NO.: P00743/70003
TRADEMARK INFORMATION DISCLOSURE STATEMENT BY APPLICANT				FILING DATE: March 4, 2002	
				APPLICANT: Stephen D. SENTURIA	
Sheet	1	of	9	GROUP ART UNIT:	EXAMINER:

## U.S. PATENT DOCUMENTS

Examiner's Initials #	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YY
		Number	Kind Code		
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		5,022,745		Zayhowski et al.	06/11/91
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		5,164,688		Larson	11/17/92
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		5,175,521		Larson	AUG 21 2002 12/29/92
		5,206,557		Bobbio	04/27/93
		5,212,582		Nelson Technology Center 2600	05/18/93
		5,291,502		Pezeshki et al.	03/01/94
		5,311,360		Bloom et al.	05-10-1994
		5,353,641		Tang	10/11/94

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		Office/Country	Number	Kind Code			
		WO	98/41893	A1		09-24-1998	
		WO	91/02991	A1		03-07-1991	

## OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials #	Cite No.	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
		MICROMECHANICAL LIGHT MODULATOR ARRAY FABRICATED ON SILICON, K.E. PETERSEN, IBM Research Lab., Applied Physics Letters, Vol. 31, No. 8, 10/15/77, pp 521-523	

EXAMINER	<i>Abellu</i>	DATE CONSIDERED	<i>3/16/05</i>
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		WO	01/11419	A2	Godil et al.	15-02-2001	--
		WO	01/11410	A1	Thackara et al.	02/15/01	
		WO	01/11396	A1		02-15-2001	

#### OTHER ART - NON PATENT LITERATURE DOCUMENTS

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		MINIATURE FABRY-PEROT INTERFEROMETERS MICROMACHINED IN SILICON FOR USE IN OPTICAL FIBER WDM SYSTEMS, J.H. JERMAN et al., IEEE 1991 372, International Conf. On Solid-State Sensors and Actuators 1991, pp 372-375	

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*3/16/03*

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	EP	1 143 287		A2		10-10-2001	

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		Solgaard et al., "Deformable grating optical modulator," <u>Optics Letters</u> , Vol. 17, No. 9, May 1, 1992, pgs. 688-690.	
		Goossen et al., "Silicon Modulator Based on Mechanically-Active Anti-Reflection Layer with 1 Mbit/sec Capability for Fiber-in-the-Loop Applications," <u>IEEE Photonics Technology Letters</u> , Vol. 6, No. 9, September 1994, pgs. 1119-1121.	
		<u>SPECTRALLY SELECTIVE GAS CELL FOR ELECTROOPTICAL INFRARED COMPACT MULTIGAS SENSOR</u> , MELENDEZ et al., Elsevier Science S.A., Sensors and Actuators 46-47 (1995) 417-421	
		<u>SILICON MICROMACHINED INFRARED SENSOR WITH TUNABLE WAVELENGTH SELECTIVITY FOR APPLICATION IN INFRARED SPECTROSCOPY</u> , D. ROSSBERG., Elsevier Science S.A., Sensors and Actuators 46-47 (1995) 413-416	
		<u>CONTINUOUS-MEMBRANE SURFACE-MICROMACHINED SILICON DEFORMABLE MIRROR</u> , BIFANO et al., Soc. of Photo-Optical Ins. Eng. Opt. Eng. 36(5) May 1997, pp 1354-1360	

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FOR OFFICE USE ONLY TRADE NAME/A and B (Modified)				APPLICATION NO.: 10/090,381	ATTY. DOCKET NO.: P00743/70003
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		<u>DESIGNS TO IMPROVE POLYSILICON MICROMIRROR SURFACE TOPOLOGY</u> , BURNS et al., SPIE- Society of Photo-Optical Instrumentation Engineering, Vol. 3008, 1997, pp 100-110	
		<u>OPTICAL BEAM STEERING USING SURFACE MICROMACHINED GRATINGS AND OPTICAL PHASED ARRAYS</u> , BURNS et al., SPIE, Vol. 3131, 1997, pp 99-110	
		<u>INVESTIGATION OF THE MAXIMUM OPTICAL POWER RATING FOR A MICRO-ELECTRO-MECHANICAL DEVICE</u> , BURNS et al., Internat'l Conf. On Solid-State Sensors and Actuators 06/16/97-06/19/97, pp 335-338	

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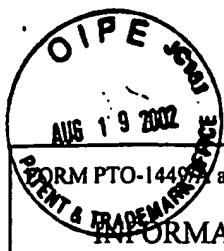
Examiner's Initials #	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
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		<u>SYNTHETIC SPECTRA: A TOOL FOR CORRELATION SPECTROSCOPY</u> , SINCLAIR et al., Applied Optics, Vol. 36, No. 15 05/20/97, pp 3342-3348	

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		<u>OPTICAL PHASE MODULATION USING A REFRACTIVE LENSLET ARRAY AND MICROELECTROMECHANICAL DEFORMABLE MIRROR</u> , COWAN et al., AFRL/MLP, Optical Engineering, Vol. 37 No. 12, 12/12/98, pp 3237-3247	
		<u>LEVERAGED BENDING FOR FULL-GAP POSITIONING WITH ELECTROSTATIC ACTUATION</u> , E.S. HUNG et al., MIT, Solid-State Sensor and Actuator Workshop Hilton Head Island, SC 06/08/98-06/11/98 pp 83-86	

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FORM PTO-149/A and B (Modified)

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

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FILING DATE: March 4, 2002

APPLICANT: Stephen D. SENTURIA

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		<u>MEMS DEFORMABLE MIRRORS FOR ADAPTIVE OPTICS</u> , BIFANO, et al., Dept. of Aerospace and Mech. Eng., BU, Boston, MA, Solid-State Sensor and Actuator Workshop Hilton Head Island, SC 06/08/98-06/11/98 pp 71-74	
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APPLICANT: Stephen D. SENTURIA

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B		Ford et al., "Dynamic Spectral Power Equalization Using Micro-Opto-Mechanics," <u>IEEE Photonics Technology Letters</u> , Vol. 10, No. 10, October 1998, pgs. 1440-1442.	
B		<u>SIMULATING ELECTROSTRICITIVE DEFORMABLE MIRRORS: I. NONLINEAR STATUS ANALYSIS</u> , HOM et al., Lockheed Martin Missiles and Space, Smart Mater. Struct. 8, (1999), 07/26/99	
B		<u>SIMULATING ELECTROSTRICITIVE DEFORMABLE MIRRORS: II. NONLINEAR DYNAMIC ANALYSIS</u> , HOM, Lockheed Martin Missiles and Space, Smart Mater. Struct. 8, (1999), 07/26/99, 07/26/99	
B		<u>POLYMERIC TUNABLE OPTICAL ATTENUATOR WITH AN OPTICAL MONITORING TAP FOR WDM TRANSMISSION NETWORK</u> , LEE et al., IEEE Photonics Tech. Ltrs, Vol. 11, No. 5, May 1999, pp 590-592	
B		<u>MODELING, DESIGN, FABRICATION AND MEASUREMENT OF A SINGLE LAYER POLYSILICON MICROMIRROR WITH INITIAL CURVATURE COMPENSATION</u> , MIN et al., Elsevier Science S.A., Sensors and Actuators 78 (1999) 8-17	
B		<u>REAL TIME OPTICAL CORRECTION USING ELECTROSTATICALLY ACTUATED MEMS DEVICES</u> , HORENSTEIN, et al., Dept. of Aerospace and Mech. Eng., BU, Boston, MA, J. of Electrostatics, 1999, pp 69-81	
B		<u>SURFACE MICROMACHINED SEGMENTED MIRRORS FOR ADAPTIVE OPTICS</u> , COWAN et al., IEEE J. of Selected Topics in Quantum Electronics, Vol. 5, No. 1, Jan/Feb. 1999, pp 90-101	
B		<u>MICROELECTROMECHANICAL DEFORMABLE MIRRORS</u> , BIFANO et al., IEEE J. of Selected Topics in Quantum Electronics, Vol. 5, No. 1, Jan/Feb. 1999, pp 83-89	

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\*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. \_\_\_\_\_, filed \_\_\_\_\_, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

[NOTE - Must provide a copy of any patent, publication, other information listed, even if it was previously submitted to, or cited by, the U.S. Patent Office in an earlier application, unless the earlier application is identified by the IDS and is relied upon for an earlier filing date under 35 U.S.C. §120, and the copy was provided in the earlier application.]

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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

Sheet

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of

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APPLICATION NO.:	10/090,381	ATTY. DOCKET NO.:	P00743/70003
FILING DATE:	March 4, 2002		RECEIVED
APPLICANT:	Stephen D. SENTURIA		AUG 21 2002
GROUP ART UNIT:		EXAMINER:	Technology Center 2600

U.S. PATENT DOCUMENTS					
Examiner's Initials #	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YY
		Number	Kind Code		

FOREIGN PATENT DOCUMENTS							
Examiner's Initials #	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YY	Translation (Y/N)
		Office/ Country	Number	Kind Code			

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		<u>DESIGN AND FABRICATION OF 10X10 MICRO-SPATIAL LIGHT MODULATOR ARRAY FOR PHASE AND AMPLITUDE MODULATION</u> , CHUNG et al., Sensors and Actuators 78, Elsevier Science S.A., 1999, pp 63-70	
		<u>A DESIGN-BASED APPROACH TO PLANARIZATION IN MULTILAYER SURFACE MICROMACHINING</u> , MALI et al., Dept. of Aerospace and Mech. Eng., BU, Boston, MA, Micromech. Microeng. 9 (1999) pp 294-299	
		<u>VARIABLE GRATINGS FOR OPTICAL SWITCHING: RIGOROUS ELECTROMAGNETIC SIMULATION AND DESIGN</u> , GANI et al., Opt. Eng. 38(3) 552-557, (March 1999) Soc. of Photo-Optical Ins. Eng. pp 552-557	
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FORM PTO-1449/A and B (Modified)			APPLICATION NO.: 10/090,381	ATTY. DOCKET NO.: P00743-7003dJS
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			FILING DATE: March 4, 2002	CONFIRMATION NO.: 5189
			APPLICANT: Stephen D. Senturia.	MAY 01 2003 RECEIVED TRADEMARK OFFICE
			GROUP ART UNIT: 2633	
Sheet		of		

#### U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
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		Office/Country	Number	Kind Code			
BS	8	EP	1 014 143	A1	Eastman Kodak Company	June 28, 2000	

#### OTHER ART - NON PATENT LITERATURE DOCUMENTS

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DATE CONSIDERED

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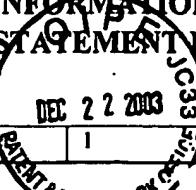
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FORM PTO-1449/A and B (Modified)				APPLICATION NO.: 10/090,381	ATTY. DOCKET NO.: P00743.70003.US
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				FILING DATE: March 4, 2002	CONFIRMATION NO.: 5189
				APPLICANT: Stephen D. Senturia	
				GROUP ART UNIT: 2633	EXAMINER: Not Yet Assigned
Sherman 1 of 1					

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Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
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AB	P10	Copending patent application serial no. 09/975,169, filed on 10/11/2001 by Deutsch et al.	
AB	P11	Copending patent application serial no. 10/090,380, filed 03/04/2002 by Hung et al.	

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